CONTENTS

January

Occupational Inadequacy: An inquiry into the inadequate personality — *D. G. Mayfield, M.D., E. L. Reilly, M.D., H. K. McClinton, M.S.W., and W. P. Wilson, M.D.* — 1

Acute Benzene Poisoning — *J. Drozd, Lt., MSC (USN), and E. J. Bockowski, HN (USNR)* — 9

Factors in a Total Rehabilitation Program for Low Back Pain — *Joseph N. Schaeffer, M.D.* — 12

Ann Arbor Case Reports
Renal Failure Due to Carbon Tetrachloride — *Thomas N. Markham, M.D.* — 16

Topical Reviews
Contact Lenses in Industry — *Samuel L. Fox, M.D.* — 18

Acute Occupational Cadmium Poisoning: A critical review of the literature — *Barry Dunphy, LCDR (MC), USN* — 22

Editorials — 27

The Question Clinic — 28

Abstracts of Current Literature — 30

People and Events — 17a

Calendar of Meetings — 24a

February

Convulsions in Thiodan Workers: A preliminary report — *Thomas S. Ely, M.D., J. W. Macfarlane, M.D., William P. Galen, M.D., and Charles H. Hine, M.D.* — 35

The Physician and the Computer — *Robert Masters, M.D.* — 38

The Seminar Method for the Treatment of Disability
I. Experiences of an Industrial Physician — *Bernard J. Bridges, M.D., and A. H. Hirschfeld, M.D.* — 41
II. Experiences of an Internist — *Raymond A. Sokolov, M.D.* — 45
III. Factors in the Doctor-Patient Relationship — *A. H. Hirschfeld, M.D., and Robert C. Behan, M.D.* — 48

Occupational Health in Europe — *Premsyl V. Pelnar, M.D.* — 53

The Business Executive, His Nervous Tensions, and His Periodic Health Examination — *Gordon A. Copping, M.D.* — 59

There Is Much To Be Done — *John E. Neal* — 64

Ann Arbor Case Reports
Poisoning by Parathion — *Howard C. Bruckner, M.D.* — 68

Topical Review
Visual Acuity — *Samuel L. Fox, M.D.* — 70

IMA Committee Report
Threshold Limit Values — *H. H. Golz, M.D., Chairman* — 76

Editorials — 78

Letters to the Editor — 79

The Question Clinic — 80

Abstracts of Current Literature — 82

Association Activities
52nd Annual Meeting: Preliminary program — 17a
Officers and Directors Nominated — 23a
Meetings of the Executive Committee, Committee of Delegates, and Board of Directors — 27a

People and Events — 32a

Calendar of Meetings — 37a

March

Anaphylaxis Due to Stinging Insects — *Wyndham B. Blanton, Jr., M.D.* — 87

Management's Role in Mental Health: A program for mental illness in industry — *S. C. Franco, M.D.* — 91

The Supervisor and the Alcoholic Employee — *Christopher Leggo, M.D.* — 96

Vaccine Development—A Collaborative Approach — *H. H. Bloom, Ph.D.* — 99

Response of Selected Serum Enzymes Following Exposure to Varying Doses of Fission-Spectrum Neutron and 250 kvp X-ray Irradiation — *Merton A. Quaife, M.D., Richard E. Ogborn, M.D., and Lawrence T. Odland, Lt. Col. (MC), USAF* — 103

The Effect of Health and Safety Legislation on Occupational Medicine — *Irving R. Tabershaw, M.D.* — 111

News from Overseas

XVth International Congress on Occupational Health—Vienna, Austria — *Robert E. Eckardt, M.D.* — 115

Vienna Congress—Complementary Report — *Andrew Meiklejohn, M.D.* — 120

Ann Arbor Case Reports

Aseptic Necrosis in a High-Altitude Flier — *Thomas N. Markham, LCDR (MC), USN* — 123

Topical Review

Nickel: A Review of Its Occupational Health Aspects — *Ernest Mastromatteo, M.D.* — 127

Editorial — 137

Letters to the Editor — 138

The Question Clinic — 140

Abstracts of Current Literature — 142

People and Events — 17a

Calendar of Meetings — 22a

April

Mortality Pattern in a Cohort of Asbestos Workers: A study based on employment experience — *Thomas F. Mancuso, M.D., and Anas A. El-Attar, M.B., Ch.B., Sc.D.* — 147

Health Aspects of Safety — *Ralph Kuhli, B.E., M.P.H.* — 163

Open Bench-top Deburring of Metallic Beryllium: A hygiene study with recommendations for a deburring station — *Merrill P. Benoit, M.D.* — 170

A Two-Year Study of Myocardial Infarction in Industry — *Thomas E. Cardillo, M.D.* — 175

Silicone in the Treatment of Burns of the Hand — *Jordan Miller, M.D., D.D.S., S. Baron Hardy, M.D., and Melvin Spira, M.D., D.D.S.* — 183

International Symposium on the Toxicology of Carbon Disulphide — *Heinrich Brieger, M.D.* — 185

Folklore and Facts about Employees with Alcoholism — *Lewis F. Presnall* — 187

Topical Review

Chlorine — *Charles G. Kramer, M.D.* — 193

Ann Arbor Case Reports

Bronchitis and Dermatitis in a Machine Operator and Part-Time Farmer — *Vernon N. Dodson, M.D.* — 197

Editorial — 200

The Question Clinic — 201

Book Reviews — 203

Abstracts of Current Literature — 205

Association Activities

Summary of the Meetings of the Executive Committee and Board of Directors — 17a

People and Events — 21a

Calendar of Meetings — 28a

May

Mental Health in Industry: Whose Responsibility? Introduction — *Donn Coffee, and Alan A. McLean, M.D.* — 213

Evaluating and Improving Mental Health: Who Is Qualified? — *Robert N. McMurry, Ph.D.* — 215

Emotional Health and Employer Responsibility — *Harrison Trice, Ph.D.* — 220

Industry's Role in Mental Health — *Pat Greathouse* — 227

Technological Change and Adjustment to Work — *Eli Ginzberg, Ph.D.* — 232

The Paradox of Mental Health — *William Gomberg, Ph.D.* — 239

Who Pays the Bill? A clinical perspective — *Alan A. McLean, M.D.* — 244

Ann Arbor Case Reports
Pain and Paresthesias in a Pressman: Carpal Tunnel Syndrome — *J. Dexter Forbes, M.D.* — 251

Editorials — 255

Book Reviews — 257

Abstracts of Current Literature — 259

People and Events — 17a

Calendar of Meetings — 22a

June

Significance of Carbon Monoxide as an Air Pollutant — *Paul M. Giever* — 265

United States Beryllium Case Registry (1952–1966): Review of its methods and utility — *Harriet L. Hardy, M.D., Emily W. Rabe, B.A., and Stephen Lorch, B.S.* — 271

Cohort Study of Workers Exposed to Betanaphthylamine and Benzidine — *Thomas F. Mancuso, M.D., and Anas A. El-Attar, M.B.Ch.B., Sc.D.* — 277

Eye-Survey Study of Nuclear-Reactor Workers — *George L. Voelz, M.D.* — 286

Back Injuries and Disabilities — *Charles J. Mock, M.D.* — 293

Fifty Years' Experience with Executive Health Examinations — *Harry J. Johnson, M.D.* — 299

What Hyperbaric Medicine Has to Offer the Industrial Physician — *Harry J. Alvis, M.D.* — 304

Social Security's New Benefits for the Disabled — *Howard A. Rusk, M.D.* — 308

The 1965 Ramazzini Oration
One of Ramazzini's Predecessors — *William F. Ashe, M.D.* — 311

Ann Arbor Case Reports
Asthma and Occupational Stress — *Thomas N. Markham, LCDR (MC), USN* — 315

Editorials — 318

The Question Clinic — 319

Abstracts of Current Literature — 321

Association Activities
52nd Annual Meeting Report — 12a

People and Events — 25a

Calendar of Meetings — 32a

July

Prognosis for Severe Psychiatric Disabilities Incurred in Naval Service — *E. K. Eric Gunderson, Ph.D., and Ranson J. Arthur, CDR (MC), USN* — 327

Early Recognition and Management of Emotional Distress in Executives — *Leonard E. Himler, M.D.* — 336

Fiber Glass: Chemistry and technology — *Carey P. McCord, M.D.* — 339

Pulmonary Hazards from Exposure to Glass Fibers — *Ahmed N. M. Nasr, M.D.* — 345

Heart Cases Under Workmen's Compensation Laws — *Leon J. Warshaw, M.D.* — 349

Air Conduction Thresholds for High Frequencies
Lawrence Vassallo, M.S., Joseph Sataloff, M.D., and Hyman Menduke, Ph.D. 353

Topical Review
In-Plant Care of Ocular Injuries — *Samuel L. Fox, M.D.* 358

News from Overseas
International Symposium on the Toxicology of Carbon Disulphide—Prague, Czechoslovakia, Sept. 15–17, 1966: International recommendations made and accepted — *Enrico C. Vigliani* 366

Ann Arbor Case Reports
Metallic Mercury—A Rare Cause of Occupational Dermatitis
J. Dexter Forbes, M.D., and Leo J. Miedler, M.D. 368

The President's Message
Our Journal Is on the March — *Jermyn F. McCahan, M.D.* 370

Editorials 371

The Question Clinic 373

Book Reviews 375

Abstracts of Current Literature 377

Association Activities
Meetings of the Executive Committee, Committee of Delegates, and Board of Directors 9a

People and Events 13a

Calendar of Meetings 18a

August

Education for Occupational Medicine — *Lemuel C. McGee, M.D.* 385

State Compensation Laws for Dental and Jaw Injuries
Leonard S. Morvay, D.D.S., Leonard B. Kaban, A.B., and James M. Dunning, D.D.S., M.P.H. 388

Examining the Individual in Relation to His Environment
H. Beric Wright, M.D., F.R.C.S. 397

Accident Occurrence and Control Among Sugar-Cane Workers
Edward A. Suchman, Ph.D., and Raul A. Muñoz, M.S.W. 407

Effects of Atmospheric Contamination on Cancer Mortality in Petroleum Refinery Employees — *V. C. Baird, M.D.* 415

Ann Arbor Case Reports
Cutting and Grinding Fluids in Chronic Pulmonary Airway Disease
J. Dexter Forbes, M.D., and Thomas N. Markham, LCDR (MC), USN 421

The President's Message
Your Talents Are Needed — *Jermyn F. McCahan, M.D.* 424

Editorials 425

Book Reviews 427

Abstracts of Current Literature 429

People and Events 13a

Calendar of Meetings 20a

September

The Benefits and Hazards of Organophosphorus Insecticides
H. H. Golz, M.D. 435

Emotional Health in Industry: Report of a panel discussion
Jean Spencer Felton, M.D., Editor 439

An Ergonomic Study of Body Positions Related to Energy Expenditure During Foundry Chipping — *Carl Zenz, M.D., and Gerald Staples* 449

Emergency Treatment of Hand Injuries — *C. P. Markle, M.D.* 453

The Health of the American Worker — *Theodore D. Woolsey* 456

The Emerging Role of Government in Safety
Harry N. Rosenfield, LL.B., J.S.D. 463

Cold Sensitivity: Report of a case — *Robert N. Armen, M.D.* 468

68 114 AA A 30

ANN ARBOR CASE REPORTS
SENSITIVITY TO TOLUENE DIISOCYANATE IN AN ADHESIVE
Thomas N. Markham, LCDR (MC), USN, and Charles W. Fishburn, M.D. 471
EDITORIALS 474
BOOK REVIEWS 476
LETTER TO THE EDITOR 477
ABSTRACTS OF CURRENT LITERATURE 478
ASSOCIATION ACTIVITIES
SUMMARY OF THE MEETINGS OF THE EXECUTIVE COMMITTEE AND BOARD OF DIRECTORS 17a
PEOPLE AND EVENTS 22a
CALENDAR OF MEETINGS 30a

October

HUMAN VIROLOGY: HISTORICAL PERSPECTIVES, BIOCHEMICAL CONSIDERATIONS, AND OCCUPATIONAL VIRUS DISEASES *I. L. Graves, Ph.D., D.V.M.* 485
AUTOMATED DIAGNOSTIC SCREENING FOR COMPREHENSIVE MEDICINE
Keeve Brodman, M.D., Leo S. Goldstein, Ph.D., and Ralph A. Baer, M.D. 494
RECRUITMENT IN FORMAL EDUCATION PROGRAMS IN OCCUPATIONAL HEALTH: LETTERS TO THE EDITOR *Carey P. McCord, M.D.*, Editor 498
HOSPITAL EMPLOYEE HEALTH SERVICE *J. B. Osbaldeston, M.D.* 506
INDIVIDUAL HEALTH PATTERN PROFILE STUDIES IN FIFTY-SIX HEALTHY ADULTS
Edward L. Burns, M.D. 511
ANN ARBOR CASE REPORTS
EXTRINSIC ASTHMA IN A TUNGSTEN CARBIDE WORKER
Howard C. Bruckner, M.D. 518
HOW
LOCATING SMALL FOREIGN BODIES *J. L. Salomon, M.D., and Lois Berthot, A.R.R.T.* 520
THE PRESIDENT'S MESSAGE
A DYNAMIC CONFERENCE *Jermyn F. McCahan, M.D.* 521
EDITORIAL 522
BOOK REVIEWS 523
PUBLICATIONS AVAILABLE 523
LETTERS TO THE EDITOR 525
ABSTRACTS OF CURRENT LITERATURE 527
PEOPLE AND EVENTS 23a
CALENDAR OF MEETINGS 30a

November

PROGRESS IN DETECTING THE WORKER HYPERSUSCEPTIBLE TO INDUSTRIAL CHEMICALS *H. E. Stokinger, Ph.D., and J. T. Mountain, M.S.* 537
MAN, MEDICINE, AND WORK IN AMERICA: A HISTORICAL SERIES: III. BENJAMIN FRANKLIN AND HIS AWARENESS OF LEAD POISONING
Jean Spencer Felton, M.D. 543
PREVENTION OF LOW BACK PAIN *Hans Kraus, M.D.* 555
OFFICE SAFETY *Norvin C. Kiefer, M.D., M.P.H.* 560
INDIVIDUALITY OF CLINICAL BIOCHEMICAL PATTERNS IN PREVENTIVE HEALTH MAINTENANCE *George Z. Williams, M.D.* 567
GUIDELINES FOR NOISE EXPOSURE CONTROL: INTERSOCIETY COMMITTEE REPORT 571
HOW
NEW TECHNIQUE FOR RAPID EAR IRRIGATIONS *J. L. Salomon, M.D.* 576
EDITORIAL 578
BOOK REVIEWS 580
PUBLICATIONS AVAILABLE 581
LETTER TO THE EDITOR 582
ABSTRACTS OF CURRENT LITERATURE 583

People and Events 21a
Calendar of Meetings 28a

December

Biochemical Aspects of Ozone Intoxication: A review
Ahmed N. M. Nasr, M.D. 589
A Modern Inguinal Hernia Repair *Stanley B. Berkowitz, M.D.* 598
To Know Is Not To Do: The Problem of Health Behavioral Change
Guy W. Steuart, Ph.D. 601
Cathedral Workers During The Middle Ages
O. Bruce Dickerson, M.D., M.P.H. 605
The Coronary Profile: 12-Year Follow-up in the Framingham Study
William B. Kannel, M.D., William P. Castelli, M.D., and Patricia M. McNamara 611
New Health Education Programs *Jerry Cassuto, M.D.* 620
Health Education in Industry: A prospective view
Jean Spencer Felton, M.D. 625
Ann Arbor Case Reports
A Case of Pulmonary Asbestosis *Kenneth T. Woodsides, M.D.* 627
Editorial 630
Book Reviews 632
Publications Available 632
Abstracts of Current Literature 634
Journal of Occupational Medicine, Volume IX
Subject Index 641
Author and Title Index 646
General Section Index 651
Association Activities
Meetings of the Executive Committee, Committee of Delegates, and Board of Directors 21a
People and Events 27a
Calendar of Meetings 32a